

CLAIMS

1. A computer method for testing a test unit, comprising:
receiving an output of said test unit into a testing system;
providing an expert system operably connected to said testing system;
comparing, in said expert system, said output with an expected result for said output; and
determining, in said testing system, if said output complies with said expected result.
2. The method of claim 1, further comprising:
analyzing the output for fact data in said expert system;
analyzing the output for rule data in said expert system; and
evaluating relationships of the facts and the rules within said output to determine
compliance of said output with said expected result.
3. The method of claim 1, wherein said test unit comprises a software code.
4. The method of claim 1, further comprising:
entering an input into said test unit from said testing system; and
comparing said output with said expected result according to said input.
5. The method of claim 1, further comprising:
entering an input into said test unit from said testing system; and
comparing said output with an anticipated response of said test unit according to said
input.
6. The method of claim 1, further comprising:
receiving a second output of a second test unit into said testing system;

comparing, in said expert system, said second output with a second expected result for said second output; and

determining, in said testing system, if said second output complies with said second expected result.

7. The method of claim 6, further comprising:
providing a communication link between said test unit and said second test unit;
capturing a communication data transferred between said test unit and said second test unit; and
analyzing, in a protocol analyzer, said communication data for compliance with a second expected result.

8. The method of claim 6, further comprising:
entering an input into said second test unit; and
comparing said second output with said second expected result according to said input.

9. The method of claim 1, further comprising:
providing a user interface module in said testing system that provides an external input and external output for the testing system.

10. The method of claim 1, further comprising:
providing a computer interface module in said testing system that provides an external input and external output for the testing system.

11. A system for testing a test unit, comprising:
a processor, comprising:
a testing module for receiving an output of said test unit; and

an expert system for comparing said output with an expected result for said output and for determining if said output complies with said expected result.

12. The system of claim 11, wherein said expert system analyzes said test unit output for a fact data, analyzes the said test unit output for a protocol rule data, evaluates relationships of said fact data and said rule data between a plurality of outputs of said test unit, and determines whether said output complies with said expected result.

13. The system of claim 11, wherein said test unit comprises a software code.

14. The system of claim 11, further comprising:
a control module for entering an input into said test unit,
wherein said expert system compares said output with said expected result according to said input.

15. The system of claim 11, further comprising:
a control module for entering an input into said test unit,
wherein said expert system compares said output with an anticipated response of said test unit according to said input.

16. The system of claim 11, further comprising:
a second test unit operably connected to said testing system,
wherein said testing system receives a second output of said second test unit, and
wherein said expert system compares said second output with a second expected result for said second output and determines if said second output complies with said second expected result.

17. The method of claim 16, further comprising:
a communication link between said test unit and said second test unit;
and a protocol analyzer, operably connected to said testing system,
wherein said testing system receives a communication data transferred between said test unit and said second test unit, and
wherein said protocol analyzer analyzes said communication data for compliance with said second expected result.

18. The system of claim 11, further comprising:
a user interface module in said testing system for providing an external input and output into said testing system.

19. The system of claim 11, further comprising:
a computer interface module in said testing system for providing an external input and output into said testing system.